

12/31/01  
JCS 4 U.S. PTO

01-08-02

PTO/SB/05 (11-00)

Approved for use through 10/31/2002. OMB 0651-0032

Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

JCS 4 U.S. PTO  
10/039650

12/31/01

Please type a plus sign (+) inside this box [+]

**UTILITY PATENT APPLICATION TRANSMITTAL**  
(Only for new nonprovisional applications under 37 CFR 1.53(b))

Attorney Docket No. 42390P13636  
(maximum 12 characters)

First Named Inventor Shiv Kaushik

Title: Instruction Sequences for Suspending Execution of a Thread Until a Specified Memory Access Occurs

Express Mail Label No. EL867650804US

ADDRESS TO: Assistant Commissioner for Patents  
Box Patent Application  
Washington, D. C. 20231

**APPLICATION ELEMENTS**

See MPEP chapter 600 concerning utility patent application contents.

1.  Fee Transmittal Form (e.g., PTO/SB/17)  
(Submit an original, and a duplicate for fee processing)
2.  Applicant Claims Small Entity Status. (37 CFR 1.27)
3.  Specification (Total Pages 36)  
(preferred arrangement set forth below)
  - Descriptive Title of the Invention
  - Cross Reference to Related Applications
  - Statement Regarding Fed sponsored R & D
  - Reference sequence listing, a table, or a computer program listing appendix
  - Background of the Invention
  - Brief Summary of the Invention
  - Brief Description of the Drawings (if filed)
  - Detailed Description
  - Claim(s)
  - Abstract of the Disclosure
4.  Drawings(s) (35 USC 113) (Total Sheets 13)
5.  Oath or Declaration (Total Pages 6)
  - a.  Newly Executed (Original or Copy)
  - b.  Copy from a Prior Application (37 CFR 1.63(d))  
(for Continuation/Divisional with Box 18 completed)
    - i.  DELETIONS OF INVENTOR(S) Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).
    - c.  Unsigned.
6.  Application Data Sheet. (37 CFR 1.76)
7.  CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix)
8.  Nucleotide and/or Amino Acid Sequence Submission  
(if applicable, all necessary)
  - a.  Computer Readable Form (CRF)
  - b.  Specification Sequence Listing on:
    - i.  CD-ROM or CD-R (2 copies); or
    - ii.  paper
  - c.  Statement verifying identity of above copies

**ACCOMPANYING APPLICATION PARTS**

9.  **Assignment Papers (cover sheet & documents(s))**
10.  a. Separate 37 CFR 3.73(b) Statement (where there is an assignee)
- b. Power of Attorney
11.  English Translation Document (if applicable)
12.  a. Information Disclosure Statement (IDS)/PTO-1449
- b. Copies of IDS Citations
13.  **Preliminary Amendment**
14.  **Return Receipt Postcard (MPEP 503) (Should be specifically itemized)**
15.  Certified Copy of Priority Document(s) (if foreign priority is claimed)
16.  **Request and Certification under 35 U.S.C. 122(b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent.**
17.  Other: a copy of the postcard with Certificate of Express Mailing.

**18A. If a CONTINUING APPLICATION, check appropriate box and supply the requisite information:**

Continuation       Divisional       Continuation-in-part (CIP)  
**Of Prior Application No.:** \_\_\_\_\_ **Examiner** \_\_\_\_\_ **Group Art Unit** \_\_\_\_\_  
(which is a  continuation/  divisional/  CIP of prior application no. \_\_\_\_\_,  
which is a  continuation/  divisional/  CIP of prior application no. \_\_\_\_\_) (List entire chain of priority)

**Applicant(s):** Also include a Preliminary Amendment to amend the specification to claim priority.

**For CONTINUATION AND DIVISIONAL APPS only:** The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

**18B. Statement under 37 CFR 3.73(b) for continuing application:**

The undersigned states that \_\_\_\_\_ (name of assignee) is the assignee of the entire right, title, and interest in the accompanying patent application by virtue of an assignment recorded in the Patent and Trademark Office at Reel. No. \_\_\_\_\_ Frame No. \_\_\_\_\_ (or a copy of which is attached).

**19. Correspondence Address**

Customer Number or Bar Code Label \_\_\_\_\_  
or \_\_\_\_\_ (Insert Customer No. or Attach Bar Code Label here)

Correspondence Address Below

NAME Jeffrey S. Draeger

BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN LLP

ADDRESS 12400 Wilshire Boulevard

Seventh Floor

CITY Los Angeles STATE California ZIP CODE 90025-1026

Country U.S.A. TELEPHONE (408) 720-8300 FAX (408) 720-9397

Name (PRINT/TYPE): Jeffrey S. Draeger Registration No.: 41,000  
Signature: J. S. Draeger Date: 12/31/01

**FEE TRANSMITTAL FOR FY 2002****TOTAL AMOUNT OF PAYMENT (\$)** 1,172.00**Complete if Known:**

Application No. To be assigned  
 Filing Date Herewith  
 First Named Inventor Shiv Kaushik  
 Group Art Unit To be assigned  
 Examiner Name To be assigned  
 Attorney Docket No. 042390P13636

**METHOD OF PAYMENT** (check one)

- The Commissioner is hereby authorized to charge indicated fees and credit any over payments to:

Deposit Account Number 02-2666  
 Deposit Account Name \_\_\_\_\_

Charge Any Additional Fee Required Under 37 CFR 1.16 and 1.17

Applicant claims small entity status. See 37 CFR 1.27

2.  Payment Enclosed:  Check  
 Money Order  
 Other

**FEE CALCULATION****1. BASIC FILING FEE**

<u>Large Entity</u>	<u>Small Entity</u>	<u>Fee Description</u>	<u>Fee Paid</u>
Fee Code 101	Fee Code 201	Utility application filing fee	<u>740.00</u>
Fee Code 106	Fee Code 206	Design application filing fee	_____
Fee Code 107	Fee Code 207	Plant filing fee	_____
Fee Code 108	Fee Code 208	Reissue filing fee	_____
Fee Code 114	Fee Code 214	Provisional application filing fee	_____

SUBTOTAL (1) \$ 740.00**2. EXTRA CLAIM FEES**

<u>Total Claims</u>	<u>Independent Claims</u>	<u>Extra Claims</u>	<u>Fee from below</u>	<u>Fee Paid</u>
30	6	- 20** = 10 - 3** = 3	X <u>18.00</u>	= <u>180.00</u>
			X <u>84.00</u>	= <u>252.00</u>
			_____	= _____

\*\*Or number previously paid, if greater; For Reissues, see below.

<u>Large Entity</u>	<u>Small Entity</u>	<u>Fee Description</u>
Fee Code 103	Fee Code 203	Claims in excess of 20
Fee Code 102	Fee Code 202	Independent claims in excess of 3
Fee Code 104	Fee Code 204	Multiple dependent claim, if not paid
Fee Code 109	Fee Code 209	**Reissue independent claims over original patent
Fee Code 110	Fee Code 210	**Reissue claims in excess of 20 and over original patent

SUBTOTAL (2) \$ 432.00

**FEE CALCULATION (continued)**

**3. ADDITIONAL FEES**

<u>Large Entity</u>	<u>Small Entity</u>	<u>Fee Description</u>	<u>Fee Paid</u>
Fee Code	Fee (\$)	Fee Code (\$)	
105	130	205	Surcharge - late filing fee or oath
127	50	227	Surcharge - late provisional filing fee or cover sheet
139	130	139	Non-English specification
147	2,520	147	For filing a request for ex parte reexamination
099	8,800	099	Request for inter parties reexamination
112	920*	112	Requesting publication of SIR prior to Examiner action
113	1,840*	113	Requesting publication of SIR after Examiner action
115	110	215	Extension for reply within first month
116	400	216	Extension for reply within second month
117	920	217	Extension for reply within third month
118	1,440	218	Extension for reply within fourth month
128	1,960	228	Extension for reply within fifth month
119	320	219	Notice of Appeal
120	320	220	Filing a brief in support of an appeal
121	280	221	Request for oral hearing
138	1,510	138	Petition to institute a public use proceeding
140	110	240	Petition to revive – unavoidable
141	1,280	241	Petition to revive - unintentional
142	1,280	242	Utility issue fee (or reissue)
143	460	243	Design issue fee
144	620	244	Plant issue fee
122	130	122	Petitions to the Commissioner
123	50	123	Processing fee under 37 CFR 1.17(q)
126	180	126	Submission of Information Disclosure Stmt
581	40	581	Recording each patent assignment per property (times number of properties)
146	740	246	For filing a submission after final rejection (see 37 CFR 1.129(a))
148	110	248	Statutory Disclaimer
149	740	249	For each additional invention to be examined (see 37 CFR 1.129(b))
179	740	279	Request for Continued Examination (RCE)
169	900	169	Request for expedited examination of a design application
195	300	195	Publication fee for early, voluntary, or normal pub.
196	300	196	Publication fee for republication
194	130	194	Request for voluntary publication or republication
098	130	098	Processing fee under 37 CFR 1.17(i) (except provisionals)
091	1,280	091	Acceptance of unintentionally delayed claim for priority

Other fee (specify) \_\_\_\_\_

Other fee (specify) \_\_\_\_\_

**SUBTOTAL (3) \$ 0**

\*Reduced by Basic Filing Fee Paid

**SUBMITTED BY:**

Typed or Printed Name: Jeffrey S. Draeger

Signature: J.S.D. Date: 12/31/01

Reg. Number: 41,000 Telephone Number: 408-720-8300

## **EXPRESS MAIL CERTIFICATE OF MAILING**

"Express Mail" mailing label number: EL867650804 US  
Date of Deposit: December 31, 2001

I hereby certify that I am causing this paper or fee to be deposited with the United States Postal Service "Express Mail Post Office to Addressee" service on the date indicated above and that this paper or fee has been addressed to the Assistant Commissioner for Patents, Washington, D. C. 20231

Connie Willesen  
(Typed or printed name of person mailing paper or fee)

Connie Willesen  
(Signature of person mailing paper or fee)  
12-31-01

(Date signed)

Serial/Patent No.: To be assigned Filing/Issue Date: Herewith  
Client: Intel Corporation  
Title: Instruction Sequences For Suspending Execution of a Thread Until a Specified Memory Access Occurs  
BSTZ File No.: 42390PI3636 Atty/Secty Initials: EHT/JSD/cvw  
Date Mailed: 12-31-01 Docket Due Date: \_\_\_\_\_

The following has been received in the U.S. Patent & Trademark Office on the date stamped hereon:

- Amendment/Response (\_\_\_\_ pgs.)  Express Mail No.: EL867650804US  Check No. \_\_\_\_\_  
 Appeal Brief (\_\_\_\_ pgs.) (in triplicate)  Month(s) Extension of Time Amt: \_\_\_\_\_  
 Application - Utility (36 pgs., with cover and abstract)  Information Disclosure Statement & PTO-149 (\_\_\_\_ pgs.)  Check No. \_\_\_\_\_  
 Application - Rule 1.53(b) Continuation (\_\_\_\_ pgs.)  Issue Fee Transmittal  
 Application - Rule 1.53(b) Divisional (\_\_\_\_ pgs.)  Notice of Appeal  
 Application - Rule 1.53(b) CIP (\_\_\_\_ pgs.)  Petition for Extension of Time  
 Application - Rule 1.53(d) CPA Transmittal (\_\_\_\_ pgs.)  Petition for \_\_\_\_\_  
 Application - Design (\_\_\_\_ pgs.)  Postcard  
 Application - PCT (\_\_\_\_ pgs.)  Power of Attorney (\_\_\_\_ pgs.)  
 Application - Provisional (\_\_\_\_ pgs.)  Preliminary Amendment (\_\_\_\_ pgs.)  
 Assignment and Cover Sheet  Reply Brief (\_\_\_\_ pgs.)  
 Certificate of Mailing  Response to Notice of Missing Parts  
 Declaration & POA (6 pgs.) (one set)  Small Entity Declaration for Indep. Inventor/Small Business  
 Disclosure Docs & Org & Copy of Invention Signed Letter (\_\_\_\_ pgs.)  Transmittal Letter, in duplicate  
 Drawings: 13 # of sheets includes 14 figures  Fee Transmittal, in duplicate

- Other: a copy of this postcard with Certificate of Express Mailing.